

### **REMARKS**

Figure 2 of the drawing is amended to indicate that the process continues for a next utterance at the step 4. Approval is respectfully requested. A replacement sheet is provided.

The specification and claims are amended to correct obvious typographical and textual errors and superfluous text and to remove details of a testing system using Texas Instruments database not meaningful to other outside the company. In some cases the symbols may not have printed out correctly. Applicant has also explained the terms "C", "D" and "E" in the specification.

Applicant has amended the claims to remove the period after the word used in Claims 4, 9, and 14. The period after C in Claim 14 is removed. The objections to the claims are deemed overcome.

Claims 1-17 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. While the claim includes some mathematical steps they are not claiming a process solely of mathematical operations without some practical application. Claim 1, as amended, recites "modifying said HMM models to compensate simultaneously for convolutive distortion and background noise using said HMM model mean vectors." This is a practical post solution activity. The models are real models and used in a speech recognizer for the recognition of speech in a speech recognizer. Claim 6 calls for "comparing the target model to the speech input utterance to recognize speech." Clearly this is a practical post solution activity and not claiming a process solely of mathematical operations without some practical application. Claim 11 calls for "means for comparing the adapted model to the speech input utterance to recognize the input speech." Clearly this is a practical post solution activity and not claiming a process solely of mathematical operations without some practical application. Claim 16 calls for "modifying HMM models trained on clean speech with cepstral mean

normalization." Clearly this is a practical post solution activity and not claiming a process solely of mathematical operations without some practical application.

The examiner has indicated that independent claims 1, 6, 11, and 16 contain allowable subject matter. These claims are therefore deemed allowable. Claims 2-5 dependent on claim are deemed allowable for at least the same reasons as independent claim 1. Claims 7-10 dependent on claim 6 are deemed allowable for at least the same reasons as claim 6. Claims 12- 15 dependent on claim 11 are deemed allowable for at least the same reasons as claim 11.

In view of the above applicants' claims 1-16, as amended, are deemed allowable and an early notice of allowance of these claims is deemed in order and is respectfully requested.

Respectfully submitted;



Robert L. Troike (Reg. 24183)

Tel. No. 301-259-2089

In the Drawing:

Please amend Figure 2 as shown in the replacement sheet to show that after another  
utterance is detected in step 8 the process goes to step 4.



1/1

